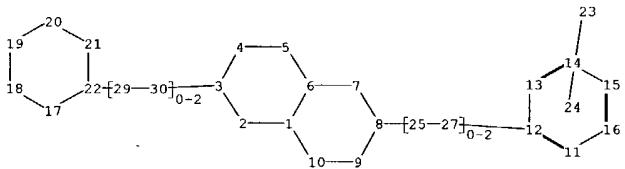
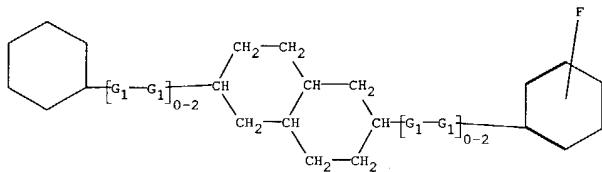


check 115 6793984



chain nodes : . . .

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
22

chain bonds :

3-30 8-25 12-27 22-29 25-27 29-30

ring bonds :

1-2 1-6 1-10 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 11-12 11-16
 12-13 13-14 14-15 15-16 17-18 17-22 18-19 19-20 20-21 21-22

exact/norm bonds :

1-2 1-6 1-10 2-3 3-4 3-30 4-5 5-6 6-7 7-8 8-9 8-25 9-10 12-27
 17-18 17-22 18-19 19-20 20-21 21-22 22-29 25-27 29-30

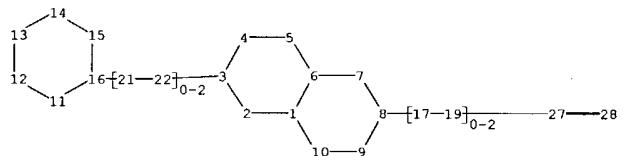
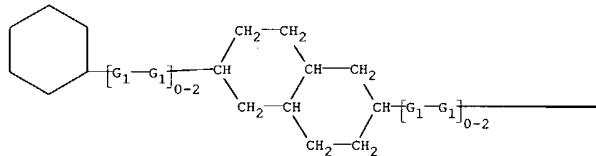
normalized bonds :

11-12 11-16 12-13 13-14 14-15 15-16

G1:C, O

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom
10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom
18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:CLASS 24:CLASS 25:CLASS
27:CLASS 29:CLASS 30:CLASS



chain nodes :

17 19 21 22 27 28

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

chain bonds :

3-22 8-17 16-21 17-19 19-27 21-22 27-28

ring bonds :

1-2 1-6 1-10 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 11-12 11-16
12-13 13-14 14-15 15-16

exact/norm bonds :

1-2 1-6 1-10 2-3 3-4 3-22 4-5 5-6 6-7 7-8 8-9 8-17 9-10 11-12
11-16 12-13 13-14 14-15 15-16 16-21 17-19 19-27 21-22

exact bonds :

27-28

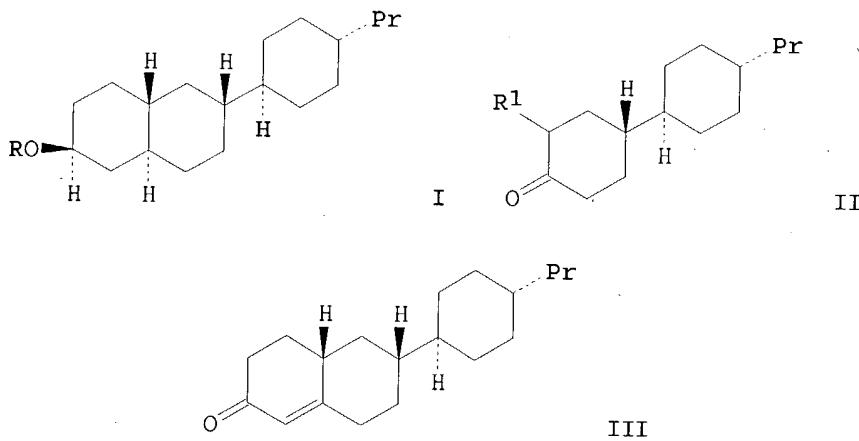
G1:C,O

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom
10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS
19:CLASS 21:CLASS 22:CLASS 27:CLASS 28:CLASS

AN 1983:197652 CAPLUS
DN 98:197652
ED Entered STN: 12 May 1984
TI Some novel liquid crystalline perhydro-6-cyclohexyl-2-naphthalenol derivatives
AU Sucrow, Wolfgang; Wolter, Herbert
CS Fachbereich Chem., Univ. Paderborn, Paderborn, D-4790, Fed. Rep. Ger.
SO Chimia (1982), 36(12), 460-2
CODEN: CHIMAD; ISSN: 0009-4293
DT Journal
LA English
CC 24-7 (Alicyclic Compounds)
Section cross-reference(s): 75
GI *confined 3*

composed of items



AB Perhydronaphthol derivs. I ($R = \text{alkyl, acyl}$) were prepared. Thus, cyclohexanone II ($R_1 = \text{H}$) was converted to its morpholine enamine which was alkylated with MeCOCH:CH_2 and hydrolyzed, forming II ($R_1 = \text{CH}_2\text{CH}_2\text{COMe}$) as a 95:5 equatorial-axial mixture. The diketone was cyclized with NaOMe to form cyclohexanone III, which yielded I ($R = \text{H}$) upon repeated Birch reduction. Alkylation or acylation of I ($R = \text{H}$) gave I ($R = \text{alkyl, acyl}$), whose phase transitions and nematic ranges are given.

ST liq crystal perhydronaphthol prep; nematic perhydronaphthol ether ester
IT Liquid crystals

(cyclohexylperhydronaphthyl esters and ethers)

IT 20763-19-3
RL: RCT (Reactant); RACT (Reactant or reagent)

(Wittig :

(Reactant or reagent)
(preparation and Wittig reaction of, with methoxymethylenetriphenylphosphorane)

IT 85603-77-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(numerical value 1-100)

IT 85603 75 4B 85615 22 55 (preparation and alkylation or acylation of)

11 85603-75-4P 85647-80-9P
BL: PCT (Patent) SPN: (1)

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization - 6)

IT 85603-78-7B 85603-78-8B 85603-8

11 85603-78-7P 85603-79-8P 85603-80-1P 85603-81-2P 85603-82-3P

85603-83-4P	85603-84-5P	85603-85-6P	85603-86-7P	85603-87-8P
85603-88-9P	85603-89-0P	85603-90-3P	85603-91-4P	85603-92-5P
85603-93-6P	85603-94-7P	85603-95-8P	85603-96-9P	85603-97-0P
85649-32-7P				
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation and liquid crystal properties of)				
IT 85603-76-5P	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and reduction of)			
IT 85603-99-2P	RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)			
IT 98790-23-9P	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation, alkylation, and hydrolysis of)			
IT 78-94-4, reactions	RL: RCT (Reactant); RACT (Reactant or reagent) (reaction of, with cyclohexylcyclohexanone enamine)			
IT 82832-73-3	RL: RCT (Reactant); RACT (Reactant or reagent) (reaction of, with morpholine)			
IT 85603-97-0P	RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation and liquid crystal properties of)			
RN 85603-97-0 CAPLUS				
CN Naphthalene, decahydro-2-(2-propenyloxy)-6-(4-propylcyclohexyl)-, [2 α ,4 α ,6 β (trans),8 $\alpha\beta$]- (9CI) (CA INDEX NAME)				

Relative stereochemistry.

